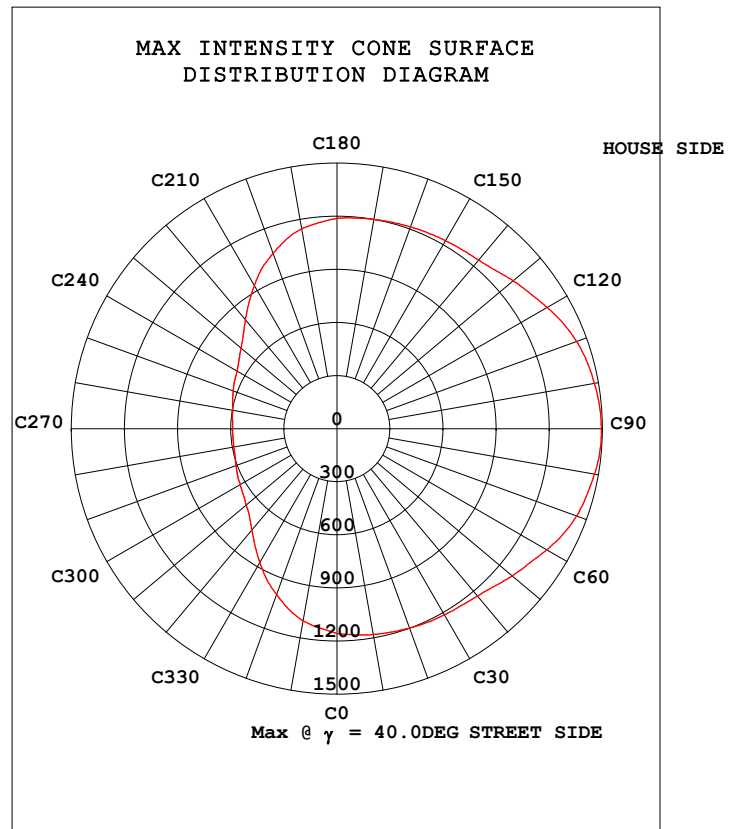
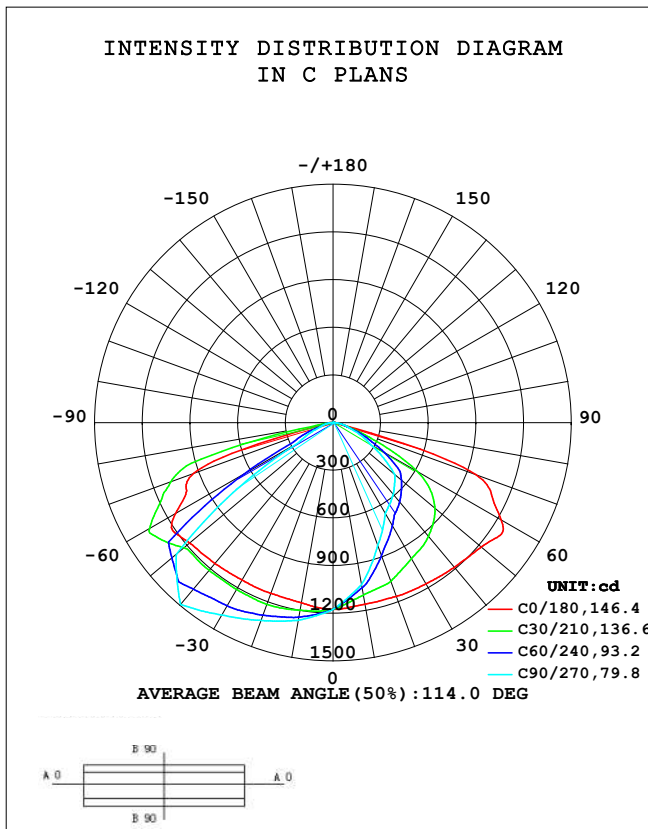


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.47 lm/W			
MODEL	LED	Imax (cd)	1493	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	25	LOR (%)	100.0	$\eta$ street_down (%)	50.6
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4022	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	4022.3	MAXIMUM @ (C, $\gamma$ )	90, 40.0	$\eta$ house_down (%)	49.4
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	16.515



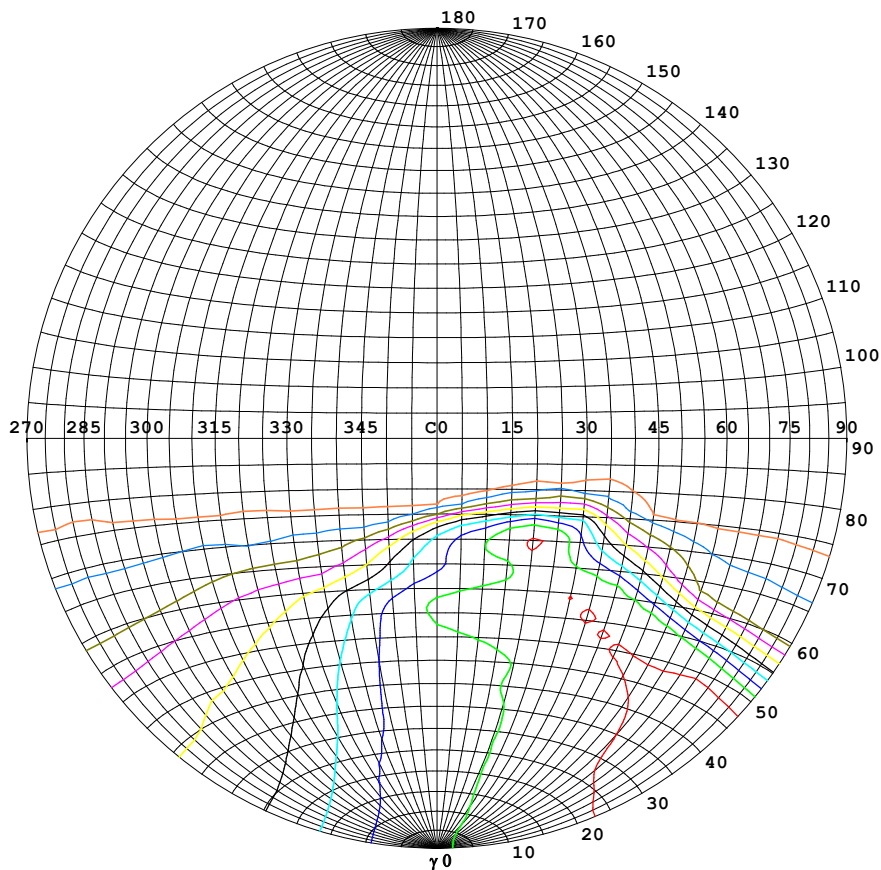
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



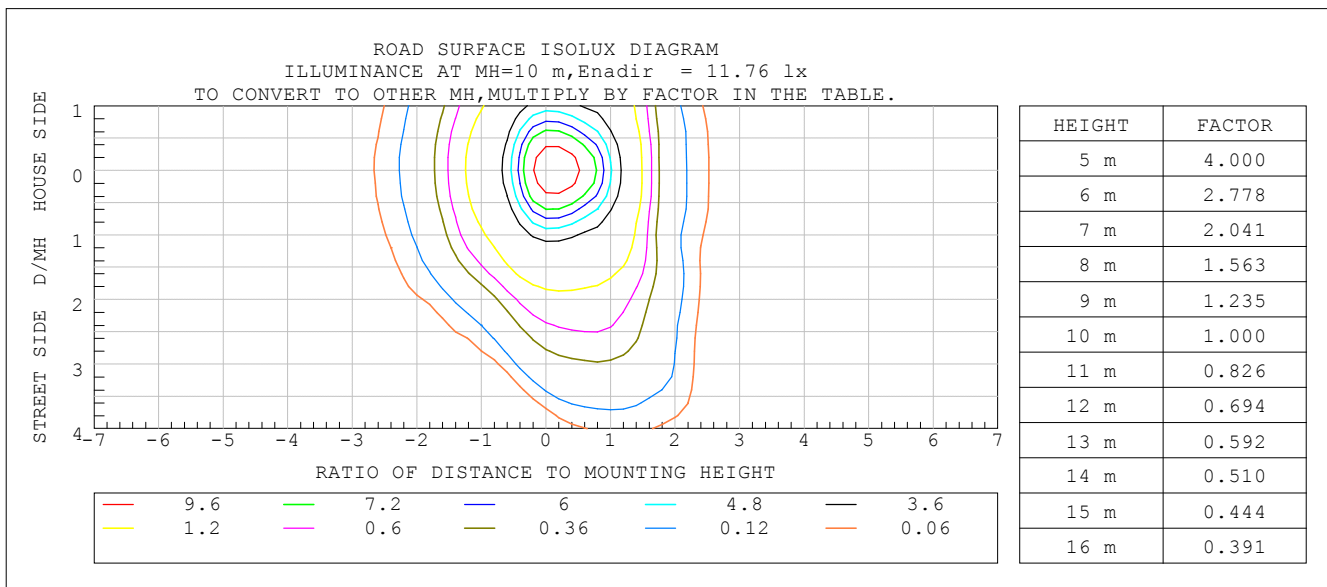
## Classification:

IES:Type IV - Very Short  
CIE:Broad - Short  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:44.87cd/klm  
Max.At90:3.739cd/klm  
Max.80-90:44.87cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	1493
90%	1344
80%	1195
70%	1045
60%	896
50%	747
40%	597
30%	448
20%	299
10%	149
5%	75

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

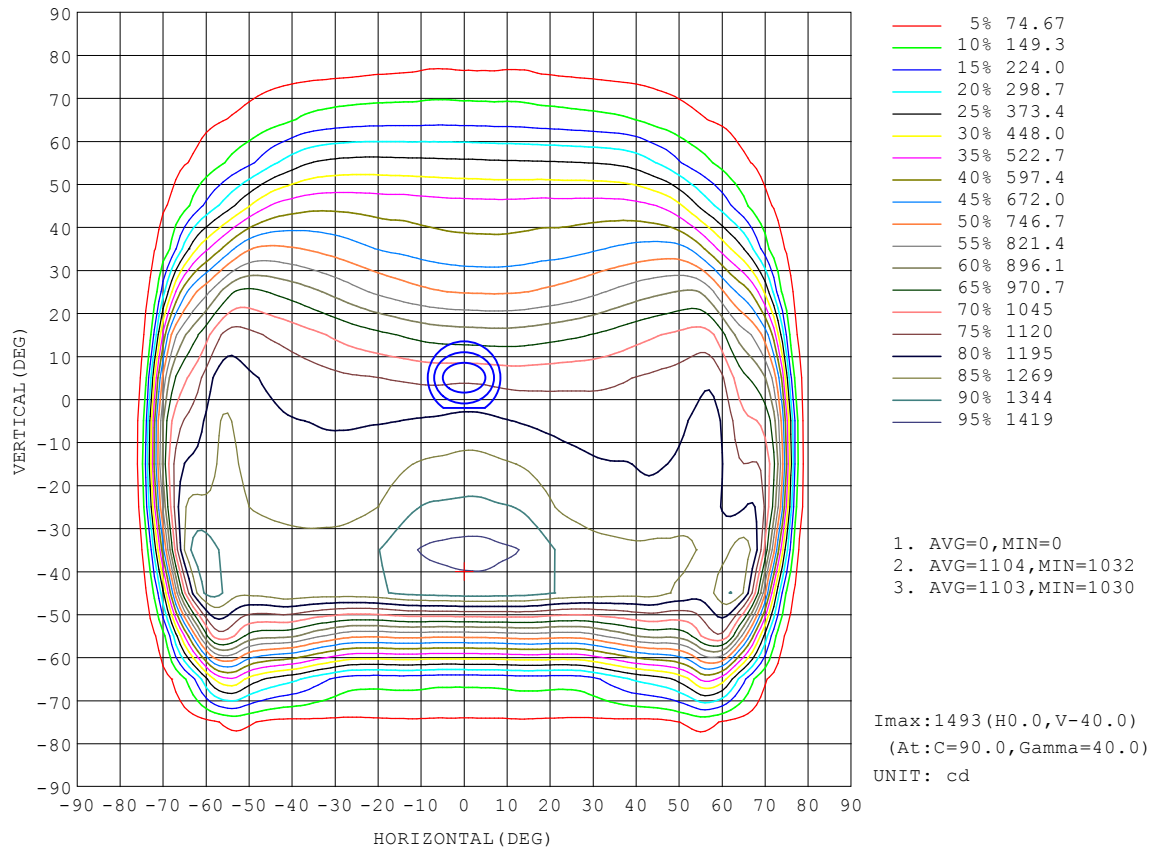
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
5	1168	1202	1219	1202	1168	1124	1105	1122	0- 5	27.93	27.93	0.69,0.69
10	1152	1222	1263	1224	1161	1076	1035	1068	5- 10	82.66	110.6	2.75,2.75
15	1145	1242	1293	1248	1160	1033	929.1	1016	10- 15	135.3	245.9	6.11,6.11
20	1143	1255	1324	1261	1164	970.6	823.5	943.7	15- 20	184.7	430.6	10.7,10.7
25	1146	1255	1361	1263	1168	910.0	741.0	874.0	20- 25	230.8	661.4	16.4,16.4
30	1144	1254	1397	1262	1172	855.4	658.5	813.5	25- 30	273.7	935.1	23.2,23.2
35	1149	1252	1445	1260	1179	801.7	624.3	756.4	30- 35	314.0	1249	31.1,31.1
40	1157	1259	1493	1266	1188	749.3	590.2	700.2	35- 40	353.4	1602	39.8,39.8
45	1166	1303	1390	1314	1201	706.7	548.7	663.7	40- 45	388.3	1991	49.5,49.5
50	1178	1358	1288	1376	1218	645.1	507.2	612.0	45- 50	413.5	2404	59.8,59.8
55	1213	1301	767.1	1312	1260	574.1	388.7	548.4	50- 55	420.7	2825	70.2,70.2
60	1146	1193	246.7	1194	1222	471.9	270.2	458.6	55- 60	383.9	3209	79.8,79.8
65	1017	790.2	169.8	782.4	1105	306.2	198.6	294.8	60- 65	310.8	3520	87.5,87.5
70	932.9	438.3	92.88	432.1	956.6	165.7	127.0	157.2	65- 70	249.8	3769	93.7,93.7
75	285.9	115.6	64.65	115.5	153.2	87.74	88.09	83.44	70- 75	168.0	3937	97.9,97.9
80	51.43	51.19	36.42	51.59	41.43	53.52	49.20	50.44	75- 80	62.95	4000	99.5,99.5
85	26.46	13.51	0	13.66	16.23	14.84	0	13.79	80- 85	19.19	4020	99.9,99.9
90	15.04	0	0	0	13.00	0	0	0	85- 90	2.730	4022	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

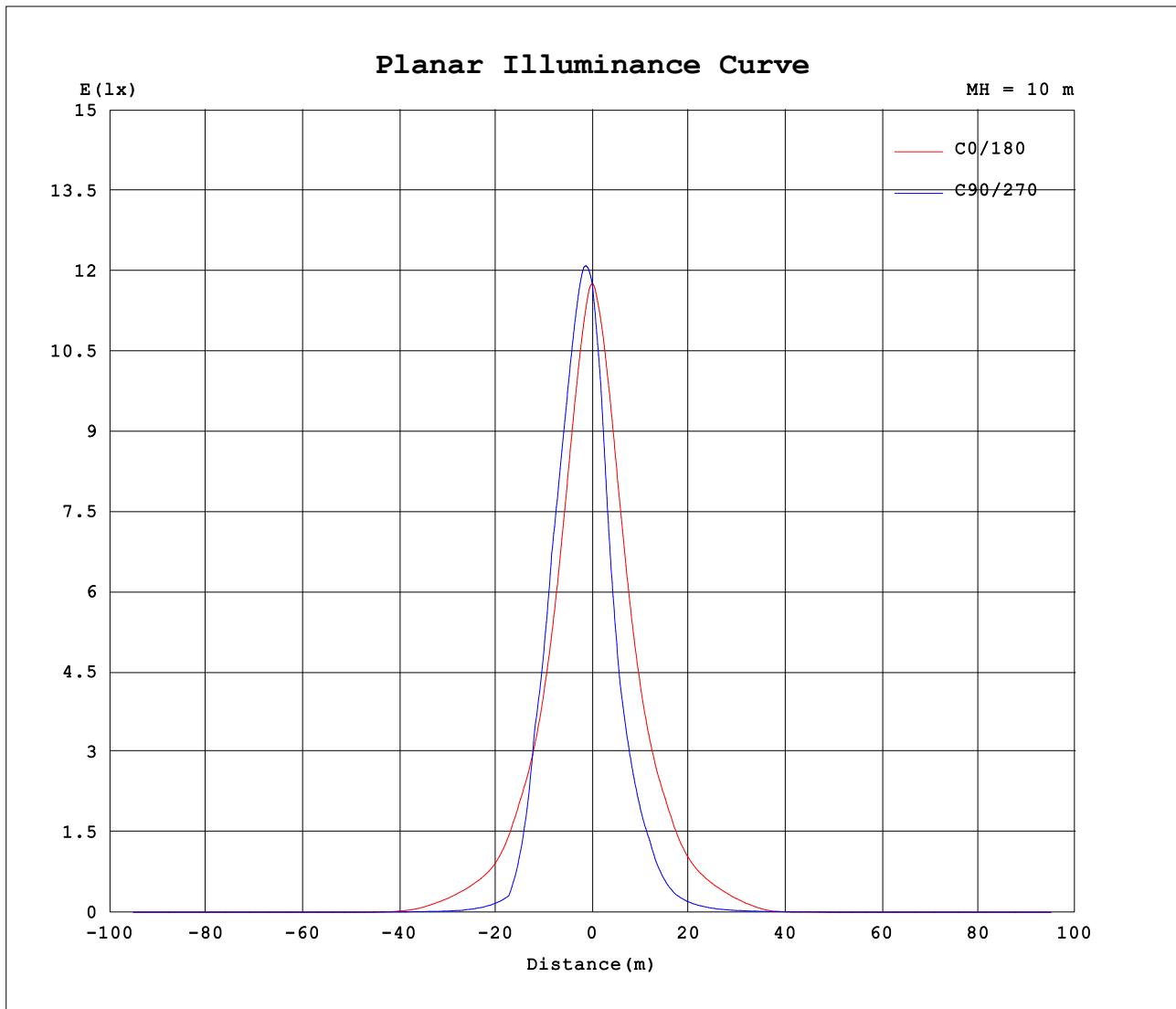
Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



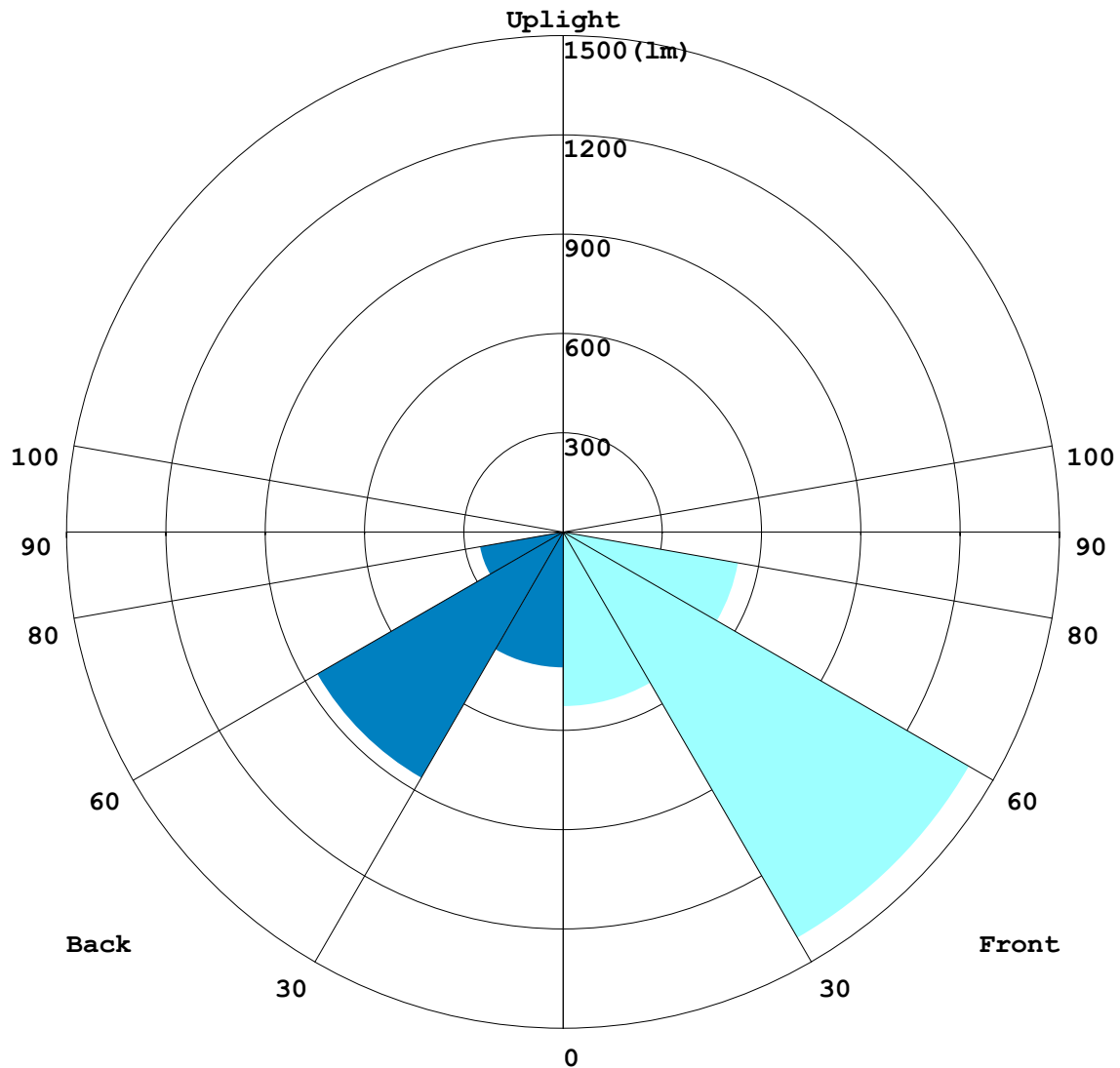
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	525.97	13.1
FM - Front-Medium(30-60)	1416.1	35.2
FH - Front-High(60-80)	536.72	13.3
FVH - Front-Very High(80-90)	12.001	0.3
Total Forward Light	2490.7	61.9

BL - Back-Low(0-30)	409.1	10.2
BM - Back-Medium(30-60)	857.63	21.3
BH - Back-High(60-80)	254.91	6.3
BVH - Back-Very High(80-90)	9.9173	0.2
Total Back Light	1531.6	38.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1531.6	0	1531.6
Street Side	2490.7	0	2490.7

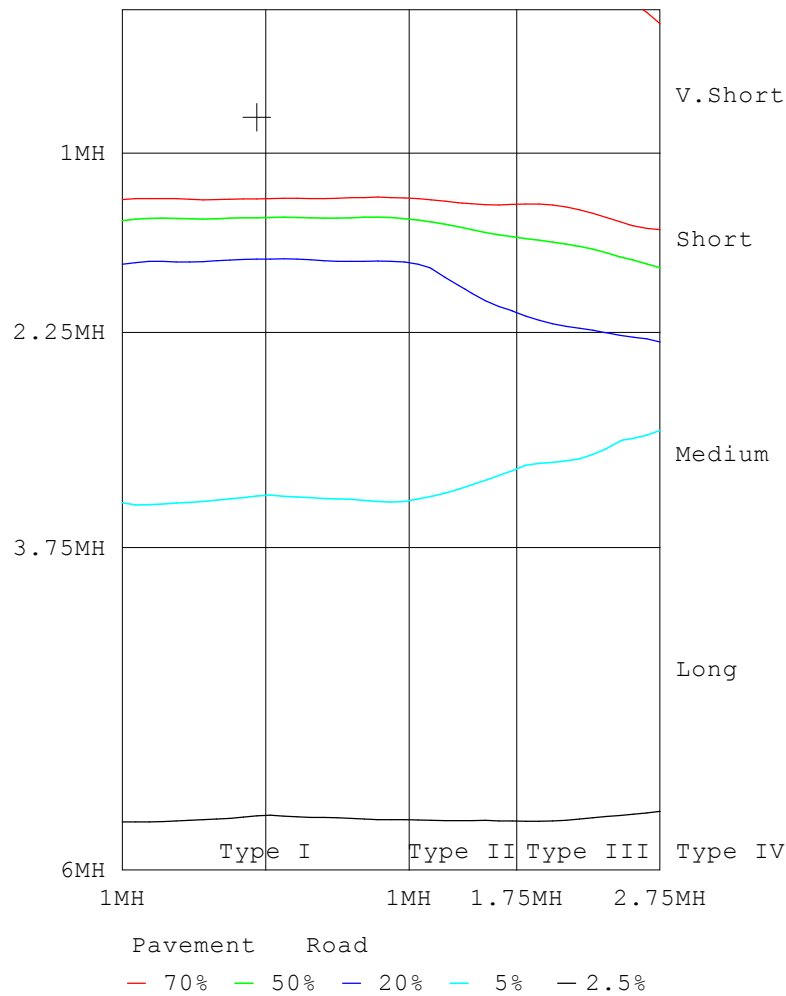
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.1173A P:25.38W PF:0.9793 Lamp Flux:4022.3x1 lm		
NAME: OPCITYIII-25W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-22

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```